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SELECTED TRANSLATIONS OF
ABSTRACTS IN REFERATIVNYY ZHURNAL - BIOLOGIYA, No. 6, 1959

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SELECTED TRANSLATIONS OF
ABSTRACTS IN REFERATIVNYY ZHURNAL - BIOLOGIYA, No. 6, 1959

This report consists of complete translations of the Russian-language abstracts of articles, which were originally published in the Sino-Soviet bloc and in Yugoslavia.

The Soviet subject classification system used in the original Russian language abstracts has been followed in this publication.

CZECHOSLOVAKIA/Virology, Bacterial Virus (Phages).

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23776

Author : Hercik, Ferdinand

Inst :
Title : On Lytic Formations, Induced by Roentgen Rays, in
Escherichia Coli.

Orig Pub : Ceskosl. biol., 1958, 7, No 1, 1-9

Abstract : The bacteria, cultivated in MPB, were irradiated with a dose of 32 r and placed for one hour under a temperature of 37°. It was discovered that after such treatment, the bacteria secreted a lytic factor transferred in subinoculations. Checking of strains showed that they are not lysogenic. The lytic factor was liberated under various doses, but a dose of 30 r was optimal. The first subinoculation sometimes gave negative results. Under small doses the lysis was observed in the first passages; under large doses, lysis was manifested later. Under

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CZECHOSLOVAKIA/Virology - Bacterial Viruses. (Phages.)

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23776

optimum doses, complete lysis was observed in 32% of the experiments. The success of lysis depended, aside from the dose, on other conditions of the experiment also, in particular on the age of the bacteria. Most suitable are bacteria in the beginning of the logarithmic phase of growth ($3\frac{1}{2}$ - hour cultures on MPB a single irradiation of a great amount of a bacterial suspension did not increase the liberation of the lytic factor. The most profitable latent period is 2 hours. The titer of the lytic factor, equal in the first passage to 10^7 (in liquid medium), increased at the 4th passage to 10^{12} and was sustained until the 12th passage. Under electron microscopy of lysed cells, spheroidal globules were observed which sometimes recalled immature bacteriophages; the size of the largest particles was $60 \times 72 \text{ m}$. 2 electron-microscopic photos [are included]. V.S. Grazhul

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USSR/Virology - Bacterial Viruses (Phages).

E

Abs Jour : Ref Zhur Biol; No 6, 1959, 23779

Author : Pospelova, V.V.

Inst :

Title : Biological Peculiarities of Diphtherial Bacteriophages.
Report I. Obtaining of Phages from Patients. The Range
of Action and Stability to Inactivating Agents.

Orig Pub : Zh. mikrobiol., epidemiol. i immunobiol., 1958, No 6,
43-49

Abstract : In an investigation of 32 washings, obtained from the
fauces of 23 patients with diphtheria, for the presence
of diphtherial bacteriophage, it was possible to isolat-
e phages in three washings; in one patient once and
in another twice. The discovery of phage in patients
coincided with the period of recovery. The phages iso-
lated from patients (B, Ip, In) as well as from cultures
(C, Cp) were active against a majority of tested

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E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23779

cultures of gravis type and lysed an insignificant part
of cultures of mitis type. A relation between the tox-
icity of diphtherial cultures and their stability to
phages was not discovered. Tested bacterial phages inac-
tivated quickly: in acid buffer solution after heating
to 55°, under influence of UV-rays. After irradiation
with visible light, phages, inactivated by UV-rays, reac-
tivated partially. With a sodium pH within the limits
of 7.4 - 8.6, phages stably preserved activity. -- Ya.I.
Rautenshteyn

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USSR/Virology - Bacterial Viruses (Phage).

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23780
Author : Drozhevkina, M.S., Mishnayevskiy, M.N., Uraleva, V.S.
Inst : Rostov-on-Don Scientific Research Anti-Plague Institute
Title : Specific Bacteriophage in the Organism of Patients with Brucellosis.
Orig Pub : Tr. Rostovsk.-n/D n.-i. protivochumni, in-ta, 1957, 12,
 403-423

Abstract : Under a single investigation of the blood of 20 patients with brucellosis, in which the diagnosis was undisputed, a specific phage was isolated in 16 cases. In an overwhelming number of patients with brucellosis, during the course of the infectious process an increase of phage titer in the blood is noted, which usually coincides with an improvement of the condition of the majority of

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E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23780

patients. Since the basic contingent of the examined patients was subjected to energetic treatment with antibiotics (Syntomycin and Levimycetin), the observed good clinical effect cannot be fully explained only by the influence of phage. The presence of phages in the blood of patients with brucellosis leads to formation of greatly changed forms of microbes and decreases the percentage of positive bacteriological analyses. --
Ya.I. Rautenshteyn

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USSR/Virology - Bacterial Viruses (Phage).

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23781

Author : Gauze, G.F., Kochetkova, G.V., Preobrazhenskaya, T.P.,
Kudrina, Ye. S., Sveshnikova, M.A., Popova, O.L.

Inst Title : Actinophages as Test-Objects in a Search for Anti-Virus
Antibiotics!

Orig Pub : Zh. gigiyeny, epidemiol., mikrobiol. i immunol., 1957,
1, No 1, 53-58

Abstract : The ability was studied of 1000 cultures of Actinomyces,
isolated from soils of various geographic locations, to
suppress four cultures of bacteria and six various Acti-
nophages, of which four were Polyphages. It was determina-
ted that about one-half of the tested Actinomyces are
able to suppress one or several Actinophages in the ex-
periment. Actinophages were suppressed by Actinomyces
with antibacterial activity as well as by Actinomyces

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E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23781

which did not possess antibacterial activity. It was
noted that Actinomyces able to suppress a combination
of 4 Actinophages (No 2671, 2761, 250, and 3087) were
found most frequently; these Actinophages turn out to
be most convenient test-object in a selection of Actino-
myces of cultures which produce antivirus antibiotics.
-- Ya.I. Rautenshteyn

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USSR/Virology - Viruses of Plants.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23786

Author : Gol'din, M.I.

Inst : Institute of Microbiology, Academy of Sciences USSR

Title : Investigation of Virus Inclusions As a Method of Study
of Viruses of Plants.

Orig Pub : Tr. In-ta mikrobiol. AN SSSR, 1958, vyp. 5, 258-264

Abstract : Investigations of virus inclusions by the author are summarized; considerations regarding the significance of inclusions in the doctrine of the nature of plant viruses are expressed. According to the data of the author and other investigators, virus inclusions are so far the only indication of symptomless virus disease of cacti. The formations of crystalline virus inclusions in the cells of potato plants may apparently progress by a

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E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23786

'type of gelatinization, and not only by a type of coacervation. -- M.I. Gol'din

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USSR/Virology - Viruses of Plants.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23789

Author : Smirnova, V.A.

Inst :

Title : On the Formation of a Rod-Shaped Particle of Tobacco Mosaic Virus!

Orig Pub : Dokl. AN SSSR, 1958, 118, No 2, 407-410

Abstract : Superthin slices of a vegetative bud of tomato infected with tobacco mosaic virus were examined. As was shown previously (RZhBiol, 1958, 99070), the virus is absent in the apical meristem of the sick plant, while, in the apical part of the second, from the growth point, leaf virus particles are discovered in great quantities. Between these sharply different regions lies a very small area in whose cells it is possible to discover various corpuscular elements. In the cells of the basal part, of the second leaves, clusters of globules are found

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E

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whose dimensions may be compared with the diameter of a typical virus particle. In cells further removed from the basal part of the leaf, the amount of globular particles increases; sometimes they form short chains, bean-shaped and biscuit-like bodies appear, short and longer curved rods. The outlines of the rods are rounded; their thickness varies. Sometimes one of the ends of the rod resembles a seed chain. Typical straight virus rods appear only in more mature cells of the new leaf. It is assumed that the described series of forms reflect the process of formation of a typical virus particle from grains. -- S.V. Stefanov

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USSR/Virology - Viruses of Plants.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23793

Author : Ukholina, R.S.

Inst :
Title : On the Inactivating Effect of Actinomyces on the Tobacco Mosaic Virus.

Orig Pub : Mikrobiologiya, 1958, 27, No 3, 352-356

Abstract : Aqueous extracts of Actinomyces cultures were mixed with a suspension of pulp of tobacco leaves (*Nicotiana glutinosa*) which were infected by tobacco mosaic virus 10 days before the experiment, and then halves of stramonium leaves (*Datura stramonium*) were infected with this mixture. The other half of the leaf (control) was correspondingly infected with a suspension of infected leaves. Of 1737 tested Actinomyces cultures, 363 cultures suppressed the development of the virus. In 22 cultures, an

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Abs Jour : Ref Zhur Biol., No 6, 1959, 23793

ability to inactivate the virus was not accompanied by a suppressive effect on bacteria utilized as dough, as well as Actinomyces and Actinophages. Antibiotic Helio-gycin was obtained from Actinomyces No 2915, which suppresses in vitro the viruses of tobacco mosaic, grippe, and a number of other viruses. -- M.I. Gol'din

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USSR/Virology - Viruses of Plants.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23795

Author : Vovk, A.M.

Inst :

Title : Temperature Conditions of the Origination of Epiphytes of the Virus of Tomato Mosaic and Streak

Orig Pub : Zh. obshch. biol., 1958, 19, No 2, 139-147

Abstract : As a result of investigations conducted in 1953-1957 in production and Institute hothouses, the author arrives at the conclusion that, as a rule, it is not possible to grow healthy tomato plants, despite the fact that virus introduction from the outside was excluded in these experiments. The author feels that in development of plants under the conditions of sharp fluctuations of increased and lowered temperatures, the virus of tobacco mosaic originates endogenically in the cells of the plant, which later spreads as an infectious origin. -- M.I. Gol'din

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CZECHOSLOVAKIA/Virology - Viruses of Plants.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23798

Author : Kriz, J.

Inst :

Title : On the Spreading of Viruses in the Sprouts and Branches of Hops.

Orig Pub : Chmelarstvi, 1958, 31, No 7, 109-110

Abstract : No abstract.

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USSR/Virology - Viruses of Man and Animals. Viruses of
Transmittable Infections.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23799

Author : Pogodina, VIV.

Inst :

Title : On the Stability of Acarid-Bite Encephalitis Virus to
the Action of Gastric Juice.

Orig Pub : Vopr. virusologii, 1958, No 5, 271-275

Abstract : The virus is stable to high concentrations of H⁺; is
preserved even at a pH of 1.42 and a temperature of 40°
for not less than 4 hours. The gastric juice (GJ) of
normal acidity inactivated the virus considerably after
30 min at 37° and, after 2 hours completely. GJ of de-
creased acidity does not inactivate the virus. With in-
take of a milk diet (alkalization of GJ), the virus is
also not inactivated. Passage of the virus through the
gastric barrier is possible in the two latter cases.

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Abs Jour : Ref Zhur Biol., No 6, 1959, 23799

The author feels that the obtained data confirm experi-
mentally the possibility of infection with acarid-bite
encephalitis through the alimentary tract. -- From the
author's resume

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Transmittable Infections.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23800

Author : Gresikova, M.

Inst :

Title : Isolation of the Acarid-Bite Encephalitis Virus from
Blood and Milk of Sheep Infected Subcutaneously

Orig Pub : Acta virol., 1958, 2, No 2, 113-119

Abstract : In experimental infecting of sheep by means of a 10%
suspension of brain of mice (DL₅₀ 10-7,3-10-7,5) the
virus was discovered in blood after 24 hours in a titer
of 10⁻², and in milk after 2 days, reaching a titer of
10^{-4,5} after 5 days. In the sera of sheep, 3 months
after introduction of the virus, specific antibodies were
found which neutralize the introduced virus as well as
virus isolated from the milk.

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Transmittable Infections.

Abs Jour : Ref Zhur Biol., No 6, 1959, 23801

Author : Havlik, O., Kolman, J., Lim, D.

Inst :

Title : Appearance of Acarid-Bite Encephalitis in Wild Birds

Orig Pub : Zh. gigiyeny, epidemiol., mikrobiol. i immunolog.
(Chekhosl). 1957, 1, No 4, 315-322

Abstract : 338 specimens of birds of 51 species from the focus of
acarid-bite encephalitis in Central Czechoslovakia and
from two regions in Eastern and Western Czechoslovakia,
where no disease was noted, were examined. For virus
neutralization reaction, an infusion of heart tissue in
buffer physiological solution was utilized. Of 151 ex-
periments, a positive result was obtained in 44 cases.
Virus-neutralizing antibodies were determined in 23 bird
species, among them in species on which Acarides were

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Abs Jour : Ref Zhur Biol., No 6, 1959, 23801

not discovered. Lists of species are cited which gave positive and negative results in the investigation. On the basis of the data of serologic investigation, the degree of affection with Acarides, and the multiplicity of the separate bird species, the authors divided the birds into three groups depending on their assumed epidemiological significance. -- D.K. L'vov

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Transmittable Infections.

Abs Jour : Ref Zhur Biol., No 6, 1959, 23802

Author : Fedorov, Yu.V., Tyushnyakova, M.K.

Inst :
Title : The Characteristics of the Strain of Acarid-Bite Encephalitis Virus Isolated from Acarides Ixodes Plumbeus Leach, Collected from Sand Martins.

Orig Pub : Vopr. virusologii, 1958, No 5, 279-281

Abstract : For the first time, in Western Siberia, from Ixodes Plumbeus Leach collected from sand martins, a neurotrophic virus, identical to the standard strain of acarid-bite encephalitis virus, was isolated.

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Transmittable Infections.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23804

Author : Kanter, V.M.

Inst : Khabarovsk Medical Institute

Title : On the Problem of Intrauterine Infection with Acarid-Bite Encephalitis.

Orig Pub : Tr. Khabarovskogo med. in-ta, 1957, sb. 15, 127-129

Abstract : 2 cases of intrauterine infection with acarid-bite encephalitis are described. In one of them, the mother (7th month of pregnancy) perished. A histological examination of the brain of mother and fetus revealed changes characteristic for acarid-bite encephalitis. The virus was isolated from the placenta and the brain of the fetus. In a second case, in a mother who

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Transmittable Infections.

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Abs Jour : Ref ZhurBiol., No 6, 1959, 23804

contracted the disease in the 9th month of pregnancy, the new born infant suffered hemiparesis of the right side with athetosis of the right hand. Speculations regarding the allergic nature of the encephalitis in the latter case are cited. -- D.K. L'vov

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COMMUNIST CHINA/Virology - Viruses of Man and Animals.
Viruses of Transmittable Infections.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23805

Author : Liu, Yuan-Yuan; Chou, Ming-Hsien; Li, P'ei-Chun

Inst : -
Title : The Thermostability of the Virus of Japanese B Encephalitis!

Orig Pub : Wei-shen hsueh-pao, Acta microbiol. sinica, 1958, 6,
No 1, 53-57

Abstract : A 10% suspension of the brain of infected white mice, prepared on skimmed milk or a saline solution of lactose and later dried out from the frozen state, in both cases preserved its titer without change for the course of two years of preservation under a temperature of -15 to -18°; the virus titer somewhat decreased after 1 year of preservation under a temperature of 2-4°. The preservation, under a temperature of 30, 2-4 and from -15 to -18°, of

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Abs Jour : Ref Zhur Biol., No 6, 1959, 23805

suspensions that were not subjected to drying was accompanied by a decrease of virus titer; however, it decreased less under lower temperature; the suspensions prepared on skimmed milk were more stable than the suspensions prepared on saline solution of lactose. -- From the author's resume

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Viruses of Transmittable Infections.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23806

Author : Huang, Chen-Hsieng; Chou, Ming-Hsien; Wang, Chin; Tai, Ying

Inst Title : The Correlation Between the Pathogenicity in Peripheral Infection, the Duration of Viremia and Thermostability of the Virus of Japanese B Encephalitis.

Orig Pub : Wei-shen hsueh-pao, Acta microbiol. sinica, 1958, 6, No 1, 47-52

Abstract : It was established, on the basis of a study of 15 strains of the virus, that the strains which possess high pathogenicity, in subcutaneous infection, induced more lasting viremia than strains which were less pathogenic. With a difference between the brain and subcutaneous titers of the virus of less than 2.4 l g, the duration of viremia

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Abs Jour : Ref Zhur Biol., No 6, 1959, 23806

equalled 5-6 days; with a difference of 2.5 - 4.9 l g, 4 days, and over 5 l g, 2 days. In peripheral infection, the highly-pathogenic "Peking" strain was more thermostable, than the weakly-pathogenic "Nakayama" strain; the latter, in aqueous bath at 37° after 56 hours, lost its pathogenicity for mice in intra-brain infection, at the time when the titer of the "Peking" strain under the same temperature equalled 10-1.62 after 72 hours. --
Author's resume

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COMMUNIST CHINA/Virology - Viruses of Man and Animals.
Viruses of Transmittable Infections.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23807
Author : Li, Tse; Wei, Wen-Pin; Sun, To; Chang, Tsun-Pao
Inst : -
Title : On the Problem of Transmission of the Virus of Japanese
Encephalitis by the Mosquito Aedes Togoi.
Orig Pub : Wei-shen-wu hsueh-pao, Acta microbiol. sinica, 1958,
6, No 1, 23-31

Abstract : Mosquito females were infected with the virus by feeding
them on infected mice and direct sucking of virus sus-
pension; males - only by sucking the virus suspension.
The mosquitoes infected by feeding on mice preserved the
virus for not less than 23 days and, for the duration of
this period, could transmit the virus to receptive ani-
mals by means of biting. The mosquitoes infected by suc-
king the virus suspension preserved the virus for the

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Viruses of Transmittable Infection.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23807

duration of 20 days and the infecting ability for the
duration of 14 days. It was not possible to isolate the
virus. From 275 mosquitoes caught on the Quantung Penin-
sula in 1954. The authors feel that A. togoi mosquitoes
were one of the most important transmitters of Japanese
encephalitis in this region in the past; in the last few
years, their role is gradually decreasing. -- Author's
resume

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COMMUNIST CHINA/Virology - Viruses of Man and Animals.
Viruses of Transmittable Infections.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23809

Author : Huang, Chen-Hsien; Hsu, Chao-Hsiang; Tai, Ying; Chou, Min-Hsien

Inst Title : The Influence of Sleep, Induced by Small Doses of Luminal, On the Development of Infection of Japanese B Encephalitis in Mice.

Orig Pub : Wei-shen-wu hsueh-pao, Acta microbiol. sinica, 1958, 6, No 1, 37-41

Abstract : In mice weighing 8-9 g, sleep which lasted 6-8 hours was induced by small doses of luminal (0.15-0.5 mg). One hour after administering luminal, the mice were infected. In introduction of less than 10 subcutaneous DL_{50} of virus, the mortality of mice in the experimental group was lower (60.3%) than in the control (78.6%).

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COMMUNIST CHINA/Virology - Viruses of Man and Animals.
Viruses of Transmittable Infection.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23809

In introduction of 10-90 subcutaneous DL_{50} , no differences were noted between the mice of the experimental and control groups. The problem of the influence of natural sleep on the development of infection in man is discussed.
-- Author's resume

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USSR/Virology - Viruses of Man and Animals.
Viruses of Transmittable Infections.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23810
Author : Borodina, T.A.
Inst :
Title : The Clinical Picture of Japanese Encephalitis in White Mice of Various Age Groups.
Orig Pub : Vopr virusologii, 1958, No 2, 106-107

Abstract : White mice at ages of 2-, 7-, 14- and 30 days were infected with a 10% suspension of the brain of infected mice. In 14- and 30-day-old mice, the same clinical picture developed as in adult animals. In mice of 2- and 7-day age groups, independently of the means of virus introduction, decrease of activity, loss of weight, increased sensitivity to outside stimulants, paralysis of back and neck muscles, and weakness of extremities were observed. The paralyses of extremities did not develop.

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Abs Jour : Ref Zhur Biol., No 6, 1959, 23810

In all mice, a decrease of the amount of respiratory movements (especially expressed in 2-, 7- and 14-day old animals) was noted, as well as of cardiac contractions.
-- G.B. Zasukhina

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Viruses of Transmittable Infections.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23819
Author : Chuyeva, S.V.
Inst :
Title : On a Study of the Epidemiology of Spring-Summer Acarid-Bite Encephalitis in the Tatar SSR.
Orig Pub : Med. parazitol. i parazitarn. bolezney, 1958, 27, No 3, 308-313

Abstract : No abstract.

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USSR/Virology - Viruses of Man and Animals.
Viruses of Transmittable Infections.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23820
Author : Magazanik, S.S.
Inst :
Title : On Peculiarities of the Course of Acarid-Bite Encephalitis in Alimentary Infection.
Orig Pub : Klinich. meditsina, 1958, 36, No 6, 62-67

Abstract : No abstract.

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RUMANIA/Virology - Viruses of Man and Animals.
Viruses of Transmittable Infections.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23821

Author : Huang, C.H.

Inst :
Title : Investigation of Factors Which Induce Latent Forms of
Japanese Encephalitis B.

Orig Pub : Studii si cercetari intramicrobiol., microbiol. si
parazitol., 1957, 8, No 4, 471-491

Abstract : No abstract.

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COMMUNIST CHINA/Virology - Viruses of Man and Animals.
Viruses of Transmittable Infections.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23823

Author : Huan, Chen-Hsiang; Chou, Ming-Hsiang

Inst :
Title : A Strain of Japanese Encephalitis B Virus Peking Strain
Highly Pathogenic in Peripheral Infection and Its Com-
parison with the Pathogenicity of the Nakayama Strain.

Orig Pub : Wei-shen-wu hsueh-pao, Acta microbiol. sinica, 1958, 6,
No 1, 32-36

Abstract : No abstract.

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COMMUNIST CHINA/Virology- Viruses of Man and Animals.
Viruses of Transmittable Infections.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23824

Author : Huan, Chen-Hsiang; Tai, Ying

Inst :

Title : Pathogenicity of Various Strains of Japanese Encephalitis B Virus Isolated from Man, Pig and Mosquitoes.

Orig Pub : Wei-shen-wu hsueh-pao, Acta microbiol. sinica, 1958, 6,
No 1, 42-46

Abstract : No abstract.

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BULGARIA/Virology - Viruses of Man and Animals.
Viruses of Transmittable Infections.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23826

Author : Todorov, T.St.

Inst :

Title : Epidemiology of Hemorrhagic Fever in the Starozagorsk
Okrug (Bulgaria).

Orig Pub : Khigiyena, epidemiol. i mikrobiol., 1958, 2, No 1,
50-56

Abstract : No abstract.

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BULGARIA/Virology - Viruses of Man and Animals.
Viruses of Transmittable Infections.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23827
Author : Donchev, D.
Inst : -
Title : A Hospital Infection with Hemorrhagic Fever in Bulgaria.
Orig Pub : Khigiyena, epidemiol. i mikrobiol., 1958, 2, No 1, 41-50

Abstract : No abstract.

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USSR/Virology - Viruses of Man and Animals. Measles Virus.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23837
Author : Shamrayeva, S.A.
Inst : -
Title : Cultivation of Measles Virus in the Cells of the Blastodisc of Chicken Eggs in Rotating Test Tubes.
Orig Pub : Vopr. virusologii, 1958, No 1, 46-47

Abstract : From nasopharyngeal washings of children with measles in a culture of cells of the blastodisc of chicken egg, 3 strains of viruses were isolated. The presence of virus in a number of generations (to 10 inclusive) was proven by agglutination reaction of the virus of loaded bacteria (ALB) and discovery of virusemia in white mice, puppy, and monkey infected with the passage material. In the puppy and the monkey, accumulation of agglutinins and neutralysins in the blood, respectively on the 23 and 48th day after infection were observed.

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E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23837

Introducing the virus culture two times to the monkey prevented its subsequent infection with infectious material. -- L.S. Lozovskaya

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COMMUNIST CHINA/Virology - Viruses of Man and Animals.
Measles Virus.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23844

Author : T'ang, Fei-Fan; Wu, Shao-Yuan; Huang, Yuan-T'un; Wen, Chung-Ts'uain

Inst :
Title : The Study of Methods of Excretion of Measles Virus.

Orig Pub : Nauchn. vestn., Scientia, 1958, No 10, 314-315

Abstract : No abstract.

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USSR/Virology - Viruses of Man and Animals. Measles Virus.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23845

Author : Morogova, V.M., Trukhina, Ye.A.

Inst : Ufa Scientific-Research Institute of Vaccines and Sera.

Title : The Properties of an Anti-Measles Vaccine Prepared from Plasma by Means of Defibrination.

Orig Pub : Tr. Ufimsk. n.-i. in-ta vaktsin i syvorotok, 1957, vyp. 4, 231-235

Abstract : No abstract.

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USSR/Virology - Viruses of Man and Animals. Measles Virus.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23846

Author : Fedoseyeva, L.V.

Inst : Odessa Scientific Research Institute of Epidemiology and Microbiology

Title : An Experiment of Obtaining Dry Anti-Measles Serum.

Orig Pub : Tr. Odessk. n.-i. in-ta epidemiol. i mikrobiol., 1957, 3, 141-145

Abstract : No abstract.

Card 1/1

RUMANIA/Virology - Viruses of Man and Animals. Measles Virus.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23847

Author : Polexe, Ion

Inst :

Title : Measles.

Orig Pub : Munca sanit., 1958, 7, No 2, 101-108

Abstract : No abstract.

Card 1/1

CZECHOSLOVAKIA/Virology - Viruses of Man and Animals.
The Virus of Infectious Mononucleosis.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23852

Author : Kouba, Karel; Mencikova, Eva; Vyberna, Marie

Title : About the Etiology of Infectious Mononucleosis.

Orig Pub : Casop. lekaru ceskych, 1958, 97, No 1, 6-10

Abstract : No discovery of a role of Listeria monocytogenes in the
etiology of the disease was made.

Card 1/1

CZECHOSLOVAKIA/Virology - Viruses of Man and Animals.
The Virus of Infectious Mononucleosis.

B

Abs Jour : Ref Zhur Biol., No 6, 1959, 23853

Author : Koubly, K., Mecnikove, E., Vyborne, M.

Inst :

Title : Remarks About the Article of Koubly, Mecnikove and
Vyborne: On the Etiology of Infectious Mononucleosis.

Orig Pub : Casop. lekaru ceskych, 1958, 97, No 22, 696-697

Abstract : No abstract.

Card 1/1

USSR/Virology - Viruses of Man and Animals.
The Virus of Infectious Mononucleosis.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23855

Author : Sidorova, A.D.

Inst :

Title : Infectious Mononucleosis(Filatov's Disease)

Orig Pub : V sb.; Lecheniye infekts. bol'nykh. Vyp. 3, M., 1957,
174-193

Abstract : A description of personal data and in the literature data,
regarding the course of the disease.

Card 1/1

USSR/Virology - Viruses of Man and Animals.
Viruses of Hepatitis.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23861

Author : Gol'dberg, L.I.

Inst : -

Title : Some Problems of Laboratory Diagnosis of Epidemic Hepatitis.

Orig Pub : Zh. mikrobiol., epidemiol. i immunobiol., 1958, No 1,
15-19

Abstract : Of 121 serums, obtained from patients with epidemic hepatitis, 85 gave a positive AVB reaction. Of 52 serums, obtained from individuals with other diseases, 44 gave negative results. Under culture on Martin's bouillion of 64 blood samples obtained from patients with hepatitis infected 24 hours previously with Sarcina lutea, growth of a micrococcus was discovered in 26 cases. Of 25 cultures of blood of other patients and of healthy

Card 1/2

USSR/Virology - Viruses of Man and Animals. Viruses of Hepatitis. E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23861

individuals, the indicated microbe was discovered in one case, from a patient with cholecystitis. The author feels that the data obtained are specific and are usable for diagnosis of hepatitis. -- N.S. Klyachko

Card 2/2

USSR/Virology - Viruses of Man And Animals. Viruses of Hepatitis. E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23862

Author : Anan'yev, V.A. Obukhova, V.P.

Inst :

Title : Micromethod of Determining Aldolaze Activity in Serum.

Orig Pub : Vopr. virusologii, 1958, No 2, 119-120

Abstract : A modification of the method of V.I. Tovarnitski and Ye. I Voluyski (Lab. delo, 1955, No 6, 7-9) which helps the differentiation of Botkin's disease in its early period (before the 10th day of disease) is described.

Card 1/1

RUMANIA/Virology - Viruses of Man and Animals;.Viruses of Hepatitis. E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23869

Author : Surdan, C., Cure, C., Dumitriu-Carol, E.

Inst :

Title : Investigations of the Virus of Infectious Hepatitis of Dogs.

Orig Pub : Studii si cercetari inframicrobiol., microbiol. si parazitol., 1957, 8, No 4, 527-538

Abstract : The viruses of infectious hepatitis of dogs and infectious encephalomyelitis of foxes are not pathogenic for cats, pigs, horses, sheep, guinea pigs, white rats and mice, golden hamsters, and chicks (young ones). In freezing to - 15°, the viruses preserve virulence for up to 165 days. Lyophylized virus of encephalomyelitis of foxes is preserved for 14 month. Suspensions (20%) of virus-containing organs of dogs and foxes, treated with a 5% solution of carbolic acid under a temperature of 4°,

Card 1/2

RUMANIA/Virology - Viruses of Man and Animals. Viruses of Hepatitis.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23869

preserve their virulence after 23 days. The virus of the hepatitis of dogs may be transmitted through glycerine-carbolic antirabic vaccine, if it is prepared from an antigenic mass from dogs sick with hepatitis. --
Author's resume

Card 2/2

GDR/Virology - Viruses of Man and Animals. Viruses of Hepatitis. E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23875

Author : Siede, W.

Inst : Karl Marx University

Title : Virus Hepatitis.

Orig Pub : Wiss. Z. Karl-Marx-Univ. Leipzig, Math.-Naturwiss,
Reihe, 1954-1955, 4, No 5, 559-570

Abstract : No abstract.

Card 1/1

CZECHOSLOVAKIA/Virology - Viruses of Man and Animals.
Viruses of Hepatitis.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23876
Author : Raska, Karel
Inst : -
Title : Epidemiology of Infectious Hepatitis.
Orig Pub : Zh. gigiyeny, epidemiol., mikrobiol. i immunol. (Chekhosl)
1957, 1, No 2, 104-122
Abstract : No abstract.

Card 1/1

CZECHOSLOVAKIA/Virology - Viruses of Man and Animals.
Viruses of Hepatitis.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23877
Author : Radkovsky, Jozef
Inst : -
Title : Infectious Hepatitis in Families.
Orig Pub : Zh. gigiyeny, epidemiol., mikrobiol. i immunobiol.
(Chekhosl.), 1957, 1, No 2, 123-236
Abstract : No abstract.

Card 1/1

USSR/Virology - Viruses of Man and Animals.
Viruses of Hepatitis.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23878

Author : Sholt, Katalina

Inst :

Title : Some Peculiarities of the Epidemiology of Epidemic Hepatitis in Children's Institutions

Orig Pub : Vopr. virusologii, 1957, № 3, 151-156

Abstract : No abstract.

Card 1/1

CZECHOSLOVAKIA/Virology - Viruses of Man and Animals.
Viruses of Hepatitis.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23880

Author : Martinu, MUDr Kamil

Inst :

Title : On the Problem of Prophylaxis of Infectious Hepatitis in Schools.

Orig Pub : Ceskosl. epidemiol., mikrobiol., immunobiol., immunol., 1958, 7, No 1, 66-69

Abstract : No abstract.

Card 1/1

CZECHOSLOVAKIA/Virology - Viruses of Man and Animals.
Viruses of Hepatitis.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23881
Author : Cervenka, Juraj
Inst : -
Title : On the Article of Dr. Martinu "On the Problem of Prophylaxis of Infectious Hepatitis in Schools"
Orig Pub : Ceskosl. epidemiol., mikrobiol., immunol., 1958, 7, No 1,
69

Abstract : No abstract.

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RUMANIA/Virology - Viruses of Man and Animals.
Viruses of Hepatitis.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23882
Author : Roman, Lucia
Inst : -
Title : Prophylaxis and Early Diagnosis of Epidemic Hepatitis.
Orig Pub : Munca sanit., 1958, 7, No 2, 173-176

Abstract : No abstract.

Card 1/1

USSR/Virology - Viruses of Man and Animals.
Viruses of Hepatitis.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23883

Author : Anan'yev, V.A., Tkachev, P.G., Popik, A.L., Semenov,
Ye.P., Sinyako, G.A., Pitvak, Ye.N.

Inst :
Title : An Experiment in Prophylaxis of Botkin's Disease with
Gamma-Globulin

Orig Pub : Vopr. Virusologii, 1958, No 3, 183-185

Abstract : No abstract.

Card 1/1

CZECHOSLOVAKIA/Virology - Viruses of Man and Animals.
Viruses of Hepatitis.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23884

Author : Krasna, V., Radkovsky, J., Klouckova, A.

Inst :
Title : Evaluation of the Effectiveness of Gamma-Globulin as a
Remedy in Prophylaxis of Infectious Hepatitis in Prague
during the Period 1953-1956.

Orig Pub : Zh. gigiyeny, epidemiol., mikrobiol. i immunol.
(Czechosl.), 1957, 1, No 4, 356-364

Abstract : No abstract.

Card 1/1

USSR/Virology - Viruses of Man and Animals.
Viruses of Hepatitis.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23885
Author : Khaim, G.Ye.
Inst : -
Title : Our Experiment with Controlling Botkin's Disease.
Orig Pub : Zh. mikrobiol., epidemiol. i immunobiol., 1958, No 4,
 25-26

Abstract : No abstract.

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RUMANIA/Virology - Viruses of Man and Animals.
Viruses of Hepatitis.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23886
Author : Balmus, G., Mitroiu, O., Marinescu, G., Vatasescu, A.,
 Duvan, X.
Inst : -
Title : The Significance of Virus-Bacteria Agglutination Reaction
 for Early Diagnosis of Epidemic Hepatitis
Orig Pub : Studii so cercetari inframicrobiol., microbiol. si
 parazitol., 1957, 8, No 4, 539-549

Abstract : No abstract.

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USSR/Virology - Viruses of Man and Animals.
Viruses of Hepatitis.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23890
Author : Il'inskiy, Yu.A.
Inst : Moscow Medical Institute
Title : Some Colloid Reactions of the Blood in Botkin's Disease
Orig Pub : Uch. zap. 2-y Mosk. med. in-t, 1957, 7, 53-57
Abstract : No abstract.

Card 1/1

RUMANIA/Virology - Viruses of Man and Animals.
Viruses of Hepatitis.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23891
Author : Popper, A., Mozes, C.
Inst :
Title : On the Problem of the Role of Epidemic Hepatitis in the
Etiology of Diabetes Mellitus.
Orig Pub : Viata med., 1958, 5, No 5, 433-438
Abstract : No abstract.

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